Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/04/2018 01:42 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126020	0	1.66	126032	1.64
Blue	F	SSC	125000	123804	-1	1.98	124531	2.01
Blue	E	FITC	15760	15394	-3	3.01	332	22.52
Blue	D	PE	25880	25267	-3	2.05	550	16.98
Blue	B	PerCP-Cy5-5	34075	34314	0	4.18	1043	23.28
Blue	A	PE-Cy7	22776	23027	1	7.28	554	45.68
Red	C	APC	42488	41407	-3	2.74	1557	13.45
Red	A	APC-Cy7	24478	24147	-2	2.80	826	13.09
Violet	B	V450	6304	6120	-3	4.16	339	17.73
Violet	A	V500	26005	24877	-5	3.56	583	13.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20927	7.81	609	12	N/A	N/A	Pass
Blue	F	SSC	56014	1.42	578	23	N/A	N/A	Pass
Blue	E	FITC	57	79.55	563	7	0.0167	300	Pass
Blue	D	PE	114	57.86	557	8	0.1216	279	Pass
Blue	B	PerCP-Cy5-5	198	56.38	659	12	0.0070	66	Pass
Blue	A	PE-Cy7	110	110.73	712	15	0.0089	22	Pass
Red	C	APC	365	27.74	602	2	0.0192	67	Pass
Red	A	APC-Cy7	202	29.31	574	3	0.0047	1167	Pass
Violet	B	V450	53	86.91	501	12	0.0325	3190	Pass
Violet	A	V500	86	48.89	517	11	0.0123	1240	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.77	-31.32	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	16.10	13.60 - 20.40	N/A	N/A	31.28	31.74	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12136

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments